

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|-------------------------------------|---|------------------|---------|------------------|
| S1 | 1410764 | sensor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/26 16:51 |
| S2 | 57783 | S1 same (control adj circuit) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 09:27 |
| S3 | 15162 | S2 same (switching switches switch) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 09:27 |
| S4 | 208 | S3 same (abnormal overvoltage) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 09:34 |
| S5 | 15 | wagner-ekkehart-peter.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 09:39 |
| S6 | 720 | 361/91.1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 09:40 |
| S7 | 0 | S6 and (gas adj sensor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 09:41 |
| S8 | 20651 | (gas adj sensor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:08 |

EAST Search History

| | | | | | | |
|-----|--------|--|---|-----|-----|------------------|
| S9 | 882355 | (internal adj combustion adj engine) (ICE) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:09 |
| S10 | 667 | S9 same (exhaust adj gas adj sensor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:10 |
| S11 | 811 | S9 same (exhaust near gas near sensor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:10 |
| S12 | 4848 | S9 same (exhaust with gas with sensor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:10 |
| S13 | 0 | S10 same (voltage near2 protect\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:11 |
| S14 | 3 | S10 same (voltage with protect\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:14 |
| S15 | 889849 | (voltage adj2 protec\$3) (exhaust adj2 gas adj2 sensor) (ICE (internal adj combustion adj engine)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:15 |
| S16 | 0 | (voltage adj2 protec\$3) (exhaust adj2 gas adj2 sensor) (ICE (internal adj combustion adj engine)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2006/03/29 10:15 |

EAST Search History

| | | | | | | |
|-----|-------|--|---|-----|-----|------------------|
| S17 | 0 | (voltage overvoltage) and (protect\$3) (exhaust adj gas adj sensor) (ICE (internal adj combustion adj engine)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2006/03/29 10:16 |
| S18 | 0 | (voltage overvoltage) (protect\$3) (exhaust adj gas adj sensor) (ICE (internal adj combustion adj engine)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2006/03/29 10:16 |
| S19 | 1 | (voltage) (protect\$3) (exhaust adj gas adj sensor) (ICE (internal adj combustion adj engine)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2006/03/29 10:53 |
| S20 | 904 | (oxygen adj sensor) (exhaust adj gas adj sensor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2006/03/29 10:54 |
| S21 | 19136 | (oxygen adj sensor) (exhaust adj gas adj sensor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:54 |
| S22 | 230 | S21 same (transient overvoltage) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 10:54 |
| S23 | 26 | S22 same (switch switches switching) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/29 11:34 |
| S24 | 1 | ("4046118").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/24 14:57 |
| S25 | 20481 | (oxygen adj sensor) (exhaust adj gas adj sensor) (lambda adj probe) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/24 09:16 |

EAST Search History

| | | | | | | |
|-----|--------|---|---|----|-----|------------------|
| S27 | 1870 | S25 same (switch switches switching) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/24 09:16 |
| S28 | 52 | S27 same (surge transient overvoltage over\$1voltage) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/24 09:17 |
| S29 | 25 | ("4101404" "4147513" "4178358" "4249965" "4310302" "4485002" "4490108" "4588493" "4592825" "4596526" "4606807" "4759827" "4784728" "4805881" "4808294" "4875981" "4875990" "5074987").PN. OR ("5211820"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/24 09:26 |
| S30 | 2 | ((("4046118") or ("5211820"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/24 14:57 |
| S31 | 11 | ((over or transient or abnormal) near voltage) with (protect\$3 or detect\$3 or sens\$3 or monitor\$3) same (exhaust with gas with sens\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/26 16:54 |
| S32 | 11 | ((over or transient or abnormal) near voltage) with (protect\$3 or detect\$3 or sens\$3) same (exhaust with gas with sens\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/26 16:59 |
| S33 | 146066 | "361"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/26 16:55 |
| S34 | 0 | S32 AND S33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/26 16:55 |

EAST Search History

| | | | | | | |
|-----|-------|--|---|------|-----|------------------|
| S35 | 0 | (over\$1voltage protection gas sensor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | OFF | 2006/09/26 16:59 |
| S36 | 782 | 361/91.1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/27 07:24 |
| S37 | 679 | 361/91.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/27 07:39 |
| S38 | 0 | S37 and ((oxygen adj sensor) (linear adj exhaust adj gas adj sensor)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/27 07:40 |
| S39 | 0 | S36 and ((oxygen adj sensor) (linear adj exhaust adj gas adj sensor)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/27 07:40 |
| S40 | 99 | ((oxygen adj sensor) (linear adj exhaust adj gas adj sensor)) and (overvoltage over\$1voltage (over adj voltage) undervoltage under\$1voltage (under adj voltage)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/27 07:41 |
| S41 | 17916 | ((oxygen adj sensor) (linear adj exhaust adj gas adj sensor)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/27 09:41 |
| S42 | 19 | S41 same (overvoltage over\$1voltage (over adj voltage) undervoltage under\$1voltage (under adj voltage)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/27 10:56 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|-----|------------------|
| S43 | 1 | ((oxygen adj sensor) (linear adj exhaust adj gas adj sensor)) and (engine) and (control\$3) and (switch\$3) and (detect\$3 monitor\$3 sense sensor) and ((over adj voltage) over\$1voltage under\$1voltage (under adj voltage) (abnormal))).clm. | US-PGPUB | OR | OFF | 2006/09/27 11:00 |
| S44 | 538 | 361/90.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/27 11:32 |